



Vendor: Cisco

Exam Code: 600-601

Exam Name: Managing Industrial Networks with Cisco
Networking

Version: DEMO

QUESTION 1

A small manufacturing company has a Class C network address on the plant floor and needs to create five subnets, each accommodating 25 endpoints. Which subnet mask needs to be configured?

- A. 255.255.240.0
- B. 255.255.255.128
- C. 255.255.255.192
- D. 255.255.255.224
- E. 255.255.255.240
- F. 255.255.255.248

Answer: D

QUESTION 2

Which two ports does EtherNet/IP use to communicate? (Choose two.)

- A. TCP 44818
- B. UDP 44818
- C. TCP 502
- D. UDP 502
- E. TCP 2222
- F. UDP 2222

Answer: AF

QUESTION 3

Which of the following correctly pairs the dotted decimal subnet mask with the correct number of binary bits that represent the subnet mask?

- A. 255.255.255.192 and /25
- B. 255.255.255.248 and /28
- C. 255.255.255.224 and /26
- D. 255.255.255.248 and /27
- E. 255.255.255.240 and /28
- F. 255.255.255.240 and /16

Answer: E

QUESTION 4

Which option allows an EtherNet/IP I/O device to be safely installed where it is subject to water immersion?

- A. The device is rated IP20 and the power wiring is installed securely to the terminal block.
- B. The device is rated IP67 and a power cordset is used.
- C. The device is rated IP67 and immersed to 10 m.
- D. The device is rated IP20 and immersed to 10 m.

Answer: B

QUESTION 5

What are two benefits of a star network topology? (Choose two.)

- A. Disruption of the entire network is not required when adding new machines.
- B. Any problem which leaves the network inoperable can be traced to the central hub.
- C. This network type requires less cable as compared to linear bus topology.
- D. The performance of one of the numerous nodes cannot reflect on the performance of other nodes.
- E. The performance of the entire network is directly dependent on the performance of the hub.

Answer: AB

QUESTION 6

Which three of the following components must be elected before the Spanning Tree Protocol can converge in a switched LAN? (Choose three.)

- A. designated ports
- B. duplex operating mode
- C. fast mode ports
- D. root bridge
- E. root ports
- F. BPDU priority

Answer: ADE

QUESTION 7

What is the purpose of Spanning Tree Protocol?

- A. to prevent routing loops
- B. to create a default route
- C. to provide multiple gateways for hosts
- D. to maintain a loop-free Layer 2 network topology
- E. to enhance the functions of SNMP

Answer: D

QUESTION 8

Why is SSH preferred over Telnet as a method of accessing a network device to alter or view the configuration?

- A. Telnet encrypts only the login information, not the entire transmission.
- B. SSH requires fewer network resources and no additional configuration.
- C. Telnet is more difficult to use and configure than SSH.
- D. SSH encrypts the login and session information.

Answer: D

QUESTION 9

Given a ring topology, which loop prevention mechanism provides the fastest reconvergence time after a link failure?

- A. Rapid Per-VLAN Spanning Tree Protocol
- B. Resilient Ethernet Protocol
- C. Multiple Spanning Tree Protocol
- D. Spanning Tree Protocol

Answer: B

QUESTION 10

Which prompt is used to configure parameters for the Ethernet ports of an industrial switch?

- A. Switch(config-if)#
- B. Switch(config-if-ind)#
- C. Switch(config-line)#
- D. Switch(config-ind)#
- E. Switch(config-vlan)#

Answer: A

QUESTION 11

What are the two most relevant factors in determining the class of administration that is required to maintain the telecommunications infrastructure? (Choose two.)

- A. The size of the infrastructure
- B. The complexity of the infrastructure
- C. The age of the infrastructure
- D. The industry that the infrastructure supports
- E. The physical environment of the infrastructure

Answer: AB

QUESTION 12

According to the Purdue Reference Model, at which layer would you perform manufacturing operations and control?

- A. Level 0
- B. Level 1
- C. Level 2
- D. Level 3
- E. Level 4

Answer: D

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